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CENTRAL INTELLIGENCE AGENCY

~~S-E-C-R-E-T~~

REPORT

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REFERENCES

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SOURCE EVALUATIONS ARE DEFINITIVE APPRAISAL OF CONTENT IS TENTATIVE.

1. The WSK aircraft factory at Psie Pole, Poland, (N 51-09, E 17-06) produces aircraft engine parts for the Polish military aircraft industry. Part of its output is destined for Czechoslovakia according to an agreement between the two countries. In return, certain components come from Czech factories (small electric motors and electro-magnets) which are required in the production processes. Engine assembly is carried out by the WSK factory at Rzeszow. During 1956 the factory employed 2,500 workers, but the number reportedly has been reduced.
2. The WSK Psie Pole factory produced the following in 1956:
 - a. Fuel pumps, types PN-2-T (Zasilajaca) and PN-3-T (Napedzajaca), which are installed in MIG-15 aircraft and, with minor modifications (such as in the shape of the rotor), in the MIG-17. The principal materials used are steel, type WB-24 and bronze type 10-4-4 or 9-4-4. Approximately 50 to 60 of both types of pumps were produced monthly.
 - b. Devices for the opening of air valves in an aircraft engine, type ONK-I.
 - c. Retraction mechanism for landing gear type BU-1.
 - d. Oil pump, type 623-500 or 623-501; monthly production was about 100 pumps.
3. The following details about the production shops are known:
 - a. The plating shop (Galwanizernia) is equipped with 50 tubs of various dimensions. The casing of the PN-2-T and PN-3-T pump is electro-plated (Amdowy) by heating in sulphuric acid for 15 minutes at a temperature of 18-24 degrees centigrade. Each tub contains 180 grams of sulphuric acid per liter.
 - b. The piston in the BU-1 mechanism is chromium plated in a solution of 350 grams CrO_3 per liter at a temperature of 45-60 degrees centigrade. The time is determined by the thickness of the plating required (0.09-0.10mm).

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- c. The hardening shop is equipped with 15 to 20 electric or gas furnaces, most of which are modern Soviet or East German installations. The hardening is carried out in a solution of Na_2CO_3 .
- d. The foundry is equipped with six Soviet gas furnaces, each of 80-100 kg. capacity, which are used to cast aluminum in iron or sand moulds (Odlewy Kokylowe i Plaskowe). Aluminum is supplied from the USSR in the form of billets, [redacted] weighing 20-25 kilograms, and having a length of 60-70 centimeters.

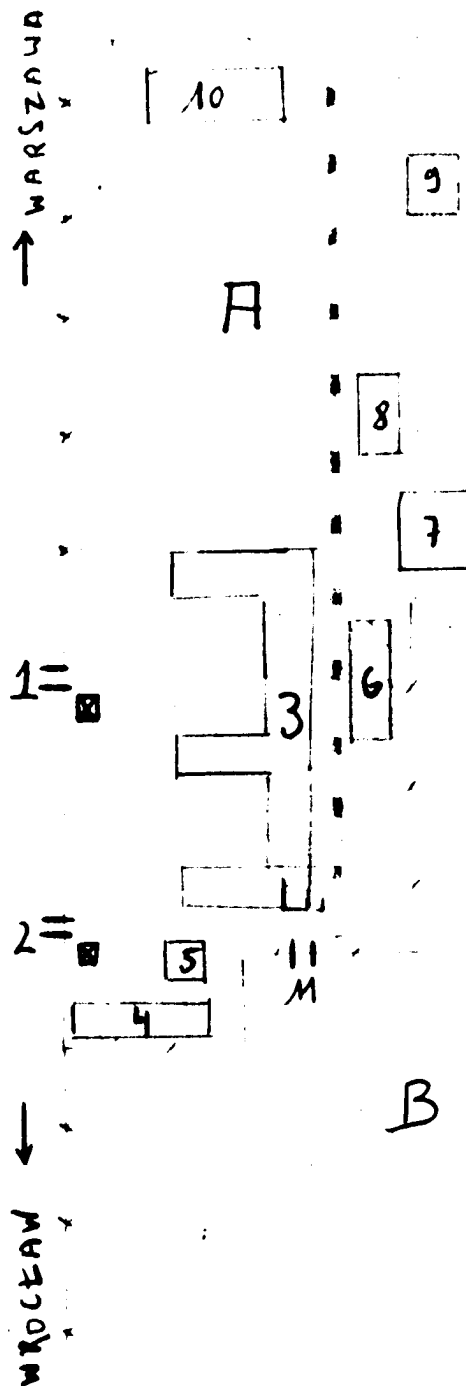
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[redacted] a map sketch of the aircraft factory.




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SECRET**LEGEND**

- A. WSK Psie Pole.
- B. Zaklady Metalowe Psie Pole.
 - 1. Gate for pedestrians.
 - 2. Vehicle gate.
 - 3. Principal building (four storys) of the factory.
 - 1st floor — Plating shop and maintenance division.
 - 2nd floor — Chief engineer's office, chief technologist's office, chief constructor's office, production archives and metal division (PN).
 - 3rd floor — Assembly division
Part of mechanical division (PA).
Technical control office.
 - 4th floor — Part of mechanical division (PA).
Civilian production division (PR).
 - 4. Management building (two storys).
 - 5. Fire Brigade post.
 - 6. Storage.
 - 7. Forge and hardening shop.
 - 8. Laboratories, stores for dispatch of finished goods
(two-story building).
 - 9. Boiler plant.
 - 10. Foundry.
 - 11. Gate of Zaklady Metalowe.
-  Wire fence
-  Border between the two plants.
-  Sentry Box.

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